

RECEIVED
CENTRAL FAX CENTER

USSN 10/578,808

JAN 11 2008

2

Listing of Claims

1. (Previously presented) An accumulator fuel system for an internal combustion engine having a plurality of engine cylinders, the fuel system comprising:
a plurality of injectors, each of which is arranged to supply fuel to an associated one of the engine cylinders,
a rocker shaft upon which a rocker member is pivotally mounted, wherein the rocker member is arranged to control one or more inlet and/or exhaust valves of an associated engine cylinder,
an accumulator fuel volume integrated within the rocker shaft for supplying high pressure fuel to one or more of the plurality of injectors,
wherein the accumulator fuel volume is arranged to supply fuel at a first pressure level to one or more of the plurality of injectors and wherein each injector includes a pumping element for pressurising fuel to a second pressure level higher than the first pressure level.
2. (Previously presented) The accumulator fuel system as claimed in claim 1, wherein the rocker shaft is provided with a first axially extending passage for receiving a lubricating fluid and a second axially extending passage defining the accumulator fuel volume.
3. (Previously presented) The accumulator fuel system as claimed in claim 1 further comprising a first rocker member for controlling one or more engine cylinder inlet valves, a second rocker member for controlling one or more engine cylinder exhaust valves and a third rocker member for transmitting drive to the pumping element of an associated injector, wherein the first, second and third rocker members are pivotally mounted upon the rocker shaft.

USSN 10/578,808

3

4. (Previously presented) The accumulator fuel system as claimed in claim 1, wherein the rocker shaft has a longitudinal axis which is arranged to extend substantially perpendicular to a longitudinal axis of the pumping element.

5. (Previously presented) The accumulator fuel system as claimed in claim 1, wherein the injectors are electronic unit injectors.

6. (Previously presented) The accumulator fuel system as claimed in claim 1, wherein each injector is associated with an electronic unit pump for increasing fuel pressure to the second pressure level.

7. (Previously presented) An accumulator fuel system for an internal combustion engine having a plurality of engine cylinders, the fuel system including:
a plurality of injectors, each of which is arranged to supply fuel to an associated one of the engine cylinders,
a rocker shaft upon which a rocker member is pivotally mounted, wherein the rocker member is arranged to control one or more inlet and/or exhaust valves of an associated engine cylinder,
an accumulator fuel volume for supplying high pressure fuel to one or more of the plurality of injectors,
wherein the accumulator fuel volume is formed within the rocker shaft and is arranged to supply fuel at a first pressure level to one or more of the plurality of injectors and wherein each injector is associated with a pumping element for pressurising fuel to a second pressure level higher than the first pressure level.